

Eye Height, Sitting

Purpose

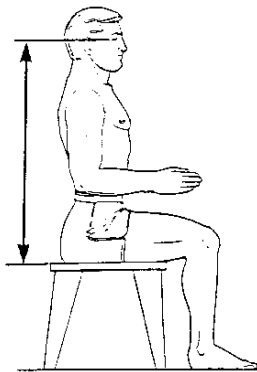
Sitting Eye Height plays a decisive role in instrument panel layout, viewing angles, and seat adjustment, since the pilot must have optimum vision both inside and outside of the cockpit.

Equipment Required

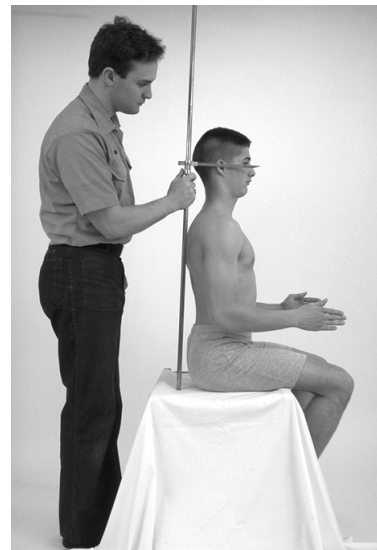
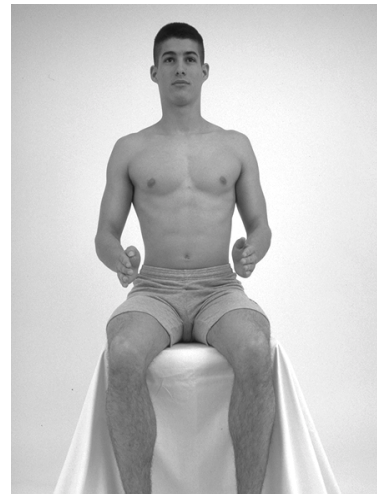
Anthropometer

Measurement Procedure

1. The subject sits erect facing forward with the head level (see illustration below), the shoulders and upper arms relaxed, and the forearms and hands extended forward horizontally with the palms facing each other. The thighs are parallel and the knees are flexed 90° with the feet in line with the thighs.



2. Measure the vertical distance between the sitting surface and the corner or angle formed by the meeting of the eyelids on the outer corner of the right eye with an anthropometer.



NOTE: Measurements are to be taken to the nearest eighth of an inch. Measurements should be taken at least twice. If there is a large variation between the two measurements, recheck body position and repeat measurements.